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Fishery Leaflet 24

Washington, D. C. Rev. March 1948

# LIST OF PUBLICATIONS ON FARM FISH PONDS[1/]

Compiled in the Branch of Game-fish and Hatcheries.

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AMERICAN SOCIETY OF AGRICULTURAL ENGINEERING, St. Joseph, Michigan.

Farm earth moving as applied to pond building. By W. A. Harper. Reprinted from Agricultural Engineering, Vol. 22, No. 1, 5 pp., illus. January 1941.

Describes the types and capacities of equipment used in the excavating of ponds and reservoirs.

AMERICAN WILDLIFE INSTITUTE, Investment Building, Washington, D. C.

Construction of small dams. 5 pp., illus.

A brief discussion of the construction of dams, including small earth dams, rock fill dams, and concrete dams.

ALABAMA POLYTECHNIC INSTITUTE, Auburn, Alabama.

Factors affecting the reproduction of bluegill bream and largemouth black bass in ponds. By H. S. Swingle and E. V. Smith. Circular No. 87, 8 pp., illus. 1943.

Observations on spawning and factors affecting the spawning of bluegill sunfish and largemouth black bass in demonstration ponds at Auburn, Alabama.

Management of farm fish ponds. By H. S. Swingle and E. V. Smith. Bull. No. 254, 30 pp., illus. 1947.

Method of farm pond management as worked out at Auburn, Alabama, using inorganic fertilizers.

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1/ Arranged according to publishers.

Experiments on pond fertilization. By H. S. Swingle.
Bulletin No. 264, 34 pp., 1947.

An excellent technical discussion of problems connected with the fertilization of fish ponds. The paper summarizes and evaluates the results of several years of investigation on this phase of the fish pond studies conducted at Auburn.

How to manage your fish pond. By A. M. Pearson.
Circular No. 325, 8 pp., 1946.

An outline of farm fish pond management written for the farmer.

Fertilization of farm fish ponds. By A. M. Pearson.
Circular No. 270, 2 pp., illus. 1944.

Construction of farm ponds. By H. S. Swingle.
Mimeograph Series No. 8, 6 pp., illus. 1944.

CHARLES SCRIBNER'S SONS, NEW YORK, N. Y.

Fish ponds for the farm. By F. C. Edminster. 114 pp., illus. 1947.

CLEMSON AGRICULTURAL COLLEGE, Clemson, South Carolina.

Farm ponds. By C. V. Phagan and S. A. Williams.
Circular No. 276, 20 pp., 1946.

A compilation of construction and management data for farm fish ponds.

ILLINOIS NATURAL HISTORY SURVEY, Urbana, Illinois.

Management of small artificial lakes. By G. W. Bennett.
Vol. 22, art. 3 pp. 353-376, illus. 1943.

Description of pond fishes, including factors involved in population balance resulting from multiple competing species.

Overfishing in a small artificial lake. By G. W. Bennett. Bull.
Vol. 23, art. 3, pp. 371-406, illus. 1945.

Description of conditions of overfished Onized Lake.

IOWA STATE COLLEGE, Ames, Iowa.

Ponds for farm water supply. By J. B. Davidson and C. H. Van Vlack.
Bull. P-17, pp. 495-508. 1940.

Locating and constructing the farm pond.

KENTUCKY, UNIVERSITY OF, COLLEGE OF AGRICULTURE, Lexington, Kentucky.

Earth dams for farm reservoirs. By E. G. Welch and J. L. McKitrick.
Circular No. 317, 23 pp. 1938.

Steps in the construction of the farm pond and factors determining its location.

MISSOURI AGRICULTURAL EXTENSION SERVICE, Columbia, Missouri.

Farm ponds in Missouri. By Marion Clark.
Circular No. 482, 19 pp. 1943.

The construction of ponds for the production of fish and other farm utilities.

Improvement of farm ponds and watersheds for erosion control and wildlife production. By Werner O. Nagel and Marion Clark.
Circular No. 392, 11 pp. 1938.

Recommendations on the improvement and protection of wildlife habitat.

MISSOURI CONSERVATION COMMISSION, Jefferson City, Missouri.

Multiple purpose farm ponds.
Bull. 15, 16 pp., illus. 1943.

Construction and other details of managing farm ponds.

Fish (a teaching unit).
Circular No. 116.

Youth groups and the farm pond program.
Circular No. 137.

MONTANA STATE COLLEGE AGRICULTURAL EXPERIMENT STATION, Bozeman, Montana.

Small reservoirs for stock water and irrigation. By O. W. Monson.
Circular No. 154, 33 pp. 1939.

Pond construction for reservoirs only.

NEW JERSEY AGRICULTURAL EXPERIMENT STATION, New Brunswick, New Jersey.

Nitrogen content of miscellaneous waste materials. By A. L. Prince and F. E. Bear.
Circular No. 450, 4 pp. 1943.

Gives the nitrogen, phosphate, and potassium content of miscellaneous organic wastes which may be available at little or no cost. Many of these can be used for fertilizing fish ponds.

NORTH DAKOTA AGRICULTURAL EXPERIMENT STATION, Bismark, North Dakota.

Uses and management of ponds and lakes. By H. S. Telford and O. A. Stevens.
Bull. No. 313, 40 pp. 1942.

Multiple pond use stressed. Fish management methods suitable for large lakes rather than farm ponds.

OHIO DIVISION OF CONSERVATION AND NATURAL RESOURCES, Columbus, Ohio.

Cooperative farm pond development. By K. H. Morse, J. R. Benjamin, and E. P. Rinehart.
11 pp., illus. 1942.

Concise discussion of factors covering all angles of pond construction. Outlines part played by Division of Conservation and landowners in constructing ponds on a cooperative basis.

Dams on streams and runs. By W. E. Owens.
Division of Conservation Bull. No. 141, 44 pp. 1937.

General design data, suggestions for constructing small dams and for concrete work, general specifications for construction, and the application of these to Ohio conditions. A good general reference for small dams.

OKLAHOMA GAME AND FISH COMMISSION, Oklahoma City, Oklahoma.

Fish management guide for Oklahoma. By A. D. Aldrich.
40 pp., illus. 1945.

Construction, fertilization, planting and harvesting fish from farm ponds. Discusses propagation of carp, minnows, bullheads, in addition to game fish and other topics related to Oklahoma fisheries.

OKLAHOMA AGRICULTURAL EXPERIMENT STATION, Stillwater, Oklahoma.

Fish production in farm ponds. By A. D. Aldrich, F. M. Baumgartner and W. H. Irwin.
Experiment Station Circular No. C-115, 8 pp. 1944.

Requirements of ponds, fertilization schedule, and harvesting the fish crop.

PORTLAND CEMENT ASSOCIATION, 33 West Grand Avenue, Chicago 10, Illinois.

Ponds for livestock watering.
8 pp., illus.

Principles of pond construction using cement structures to control pond levels and provide sanitary water supplies for stock. Detailed drawings of outlets, watering troughs, trickle tubes, and flumes.

TENNESSEE, UNIVERSITY OF, Knoxville, Tennessee.

Farm ponds. By G. E. Martin.
Publication No. 238, 15 pp., illus. 1944.

Location and construction of ponds.

TEXAS GAME, FISH AND OYSTER COMMISSION, Austin, Texas.

Utilizing stock tanks and farm ponds for fish. By Marion Toole.
Bull. No. 24, 45 pp. 1943.

Description of pond management and construction, based upon the literature. Utilizes the older ideas. More applicable to large lakes where fertilization is impracticable, than to farm ponds. Includes brief discussion of the common species of fish, some of which are not suited to farm ponds. The stocking formula recommended by the Commission includes minnows as forage fish.

THE FISH POND, Box 81, Meridian, Mississippi.

The fish pond. By C. D. Flynt.
41 pp. 1945. Price $1.

Deals with construction, management, fertilization, etc., of ponds.

VIRGINIA POLYTECHNIC INSTITUTE, Blacksburg, Virginia.

Farm fish ponds. By C. E. Addy, C. P. DeLaBarre, and D. W. Caldwell.
Vol. 35, No. 11, 46 pp. 1942.

Discussion of requirements for pond construction, including watershed, land feature, and dam and spillway construction. Recommends larger type lake stocking, including frogs, minnows, and vegetation, which is not suitable for small farm ponds.

## UNITED STATES GOVERNMENT PUBLICATIONS

DEPARTMENT OF AGRICULTURE, Washington, D. C.

Farm fish ponds for food and good land use. By Verne E. Davison.
Farmers Bull. No. 1938, 29 pp., illus. 1947.

An excellent discussion and guide for constructing, fertilizing, and managing farm fish ponds.

Ponds for wildlife. By P. F. Allen and Cecil N. Davis.
Farmers Bull. No. 1879, 46 pp., illus. 1941.

Largely considers ponds for use in managing wildlife, and the reduction of erosion. Describes growth of common aquatic plants.

Stock water development; wells, springs and ponds. By C. L. Hamilton and Hans G. Jepson.
Farmers Bull. No. 1859, 70 pp., illus. 1940.

Pond construction for stock watering, but fundamentally sound for farm pond construction. Rather technical for ordinary use.

FISH AND WILDLIFE SERVICE, DEPARTMENT OF THE INTERIOR, Interior Building, Washington 25, D.C.

Construction of farm fish ponds. By John Blosz and R. F. Dittman.
Fishery Leaflet No. 17, 13 pp., illus. 1945.

Brief description of farm pond construction with drawings.

Farm fish ponds and their management. By O. L. Meehean.
Fishery Leaflet No. 27, 9 pp. 1945.

Recommends methods of stocking, fertilizing and management.

Outlet gate for farm fish ponds.
Fishery Leaflet No. 65, 4 pp., illus. 1944.

Describes a practical drainage gate for ponds.

Fish stocking as related to inland waters. By M. C. James, O. L. Meehean and E. J. Douglass.
Conservation Bull. No. 35, 22 pp., illus. 1944.

Discusses distribution, stocking procedure, and other fish management practices and policies.

Use of sodium arsenite for controlling vegetation in fish ponds.
Fishery Leaflet No. 10, 6 pp. 1943.

Directions for controlling submerged vegetation.

Culture of rainbow and brook trout in ponds. By G. C. Leach.
Economic Circular No. 41, 19 pp. February 1919. Obtainable from Superintendent of Documents, Washington, D.C. Price 5¢ a copy.

Rather old publication but fundamentally sound and suitable for commercial culture of trout.

NATIONAL RESOURCES COMMITTEE, Washington, D. C.

Low dams. Prepared by subcommittee on small water storage projects.
451 pp. Obtainable from Superintendent of Documents, Washington, D. C. Price $1.25

Engineering manual on dam construction. Includes methods of making hydraulic studies, construction of various types of dams, and includes maintenance and operation.



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